Assessment Literacy and Formative Assessment Resource Development Training

Presented by Marzano Research for
Wyoming Department of Education
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"In the last decade of the 20th century, the picture of what constitutes an effective school became much clearer. Among elements such as a well-articulated curriculum and a safe and orderly environment, the one factor that surfaced as the single most influential component of an effective school is the individual teachers within that school."

Marzano, R. J. (2007). The Art and Science of Teaching. p. 1

Day #1 Learning Outcomes:

- Gain an awareness of the research regarding classroom assessment.
- Understand the differences among obtrusive, unobtrusive, and student-generated assessments and how to use each in the classroom.
- Learn essential practices for classroom assessment:
 - 1) Identify priority standards for informing classroom assessment development.
 - 2) Provide clear understanding of the learning goal through proficiency scale development.
 - 3) Provide instruction that focuses on the learning goal.
 - 4) Provide frequent and meaningful feedback.
 - 5) Provide opportunities for students to set goals, reflect on learning, and track their own progress.
- Learn about common assessment development for monitoring student progress to essential content.
- Learn data analysis practices related to classroom assessment.

Day #2 Learning Outcomes:

- Learn about developing high-quality performance assessments.
- Learn how to design valid, reliable, and fair classroom assessments that meet technical quality requirements of the Wyoming District Assessment System.
- Explore Webb's Depth of Knowledge and how to apply cognitive demand principles to assessment development.
- Discover unobtrusive and student-generated assessment techniques that provide additional checks for understanding.

Three Types of Assessment						
Assessment Type	Definition	Examples				
Formati	ve Assessment and Standards-E	Based Grading				

Marzano, 2010

Exercise 2.1

Obtrusive, Unobtrusive, and Student-Generated Assessments

After reading each of the following classroom assessment scenarios, determine whether it is best classified as an example of obtrusive, unobtrusive, or student-generated assessment.

- Mona is very close to receiving an A on the content that has been covered in her art class this quarter. She approaches the teacher and proposes that she provide a sketch to show she has mastered the techniques presented during the quarter.
- 2. After teaching the concept of a thesis statement, discussing examples of successful thesis statements, and providing the students with opportunities for practice, Mr. Grace gives his students a topic and asks them to write a corresponding thesis statement. He scores the effectiveness of the thesis statements using a rubric and records the scores for each student.
- 3. After teaching a unit on editing and revising, Ms. Minturn asks her students to pull out a hard copy of an essay they composed earlier in the year. She breaks the class into pairs and asks them to read and suggest edits and revisions on their partners' essays. She collects the revisions and grades each student according to a rubric on the effectiveness of his or her editing.
- 4. Mr. Davis is teaching a unit on shading. He takes his class to an outside garden, and while the students are creating compositions focusing on the shadows and colors they see, he walks around and observes their progress. Without interrupting, he records an assessment score for each student in his gradebook.
- 5. Ms. Lewis has been working with her students on a cooperative learning goal. While she is monitoring recess, she notices four of them working together to complete a double-dutch jump rope game. Because all four students have to cooperate to reach their goal, Ms. Lewis decides these students have fulfilled the requirement for score 3.0 on the rubric she has designed for cooperative skills.

What the Research Says about Learning Goals...

Learning targets convey to students the **destination for the lesson** – what to learn, how deeply to learn it, and exactly how to demonstrate their new learning. In our estimation (Moss & Brookhart, 2009) and that of others (Seidle, Rimmele, & Prenzel, 2005; Stiggins, Arter, Chappuis, & Chappuis 2009), the intention for the lesson is one of the most important things students should learn. **Without a precise description of where they are headed, too many students are "flying blind**."

Moss, Brookhart, Long (2011). Knowing Your Learning Target. Educational Leadership. 68 (6). Pp. 66-69

The starting place for all effective instruction is designing and communicating clear learning goals.

Marzano (2009)

Our collective goal is that the largest possible percentage of our students get there. To reach that goal we must define for ourselves and for them where "there" is. **Any energy you invest in becoming clear about your targets will pay dividends...**

Stiggins (1994)

If teachers aren't sure of instructional goals, their instructional activities Will not be focused, and unfocused instructional activities do not engender student learning.

Marzano (2009)

To begin the prioritization process, leaders first help teachers by explaining criteria that should be considered when evaluating standards to decide if they should be prioritized or not. Second, leaders allocate time and space for the work to happen. Finally, leaders use a four-step process to help teachers navigate the actual prioritization of the standards.

Criteria for Prioritized Standards

Before teams begin to identify prioritized standards, they must understand the criteria for determining which standards should be prioritized. According to Larry Ainsworth (2003), there are three criteria to consider when determining which standards to prioritize:

- Endurance—Knowledge and skills that will last beyond a class period or course
- 2. **Leverage**—Knowledge and skills that cross over into many domains of learning
- 3. **Readiness**—Knowledge and skills important to subsequent content or courses

Our experience has indicated that two additional criteria should also be considered:

- 1. **Teacher judgment**—Knowledge of content area and ability to identify more- and less-important content
- 2. **Assessment**—Student opportunity to learn content that will be assessed

As an example of how teachers can evaluate a specific standard for these five criteria, consider the following ELA standard from the Common Core State Standards (CCSS):

Interpret information presented visually, orally, or quantitatively (e.g., in charts, graphs, diagrams, time lines, animations, or interactive elements on Web pages) and explain how the information contributes to an understanding of the text in which it appears. (RI.4.7; National Governors Association Center for Best Practices & Council of Chief State School Officers [NGA & CCSSO], 2010a, p. 14)

This standard demonstrates endurance, leverage, and readiness—students will use these skills long after the test, in multiple disciplines, and in other content areas or courses. It is also has strong teacher judgment and assessment connections. In contrast, consider a Common Core standard related to speaking and listening:

Add audio recordings and visual displays to presentations when appropriate to enhance the development of main ideas or themes. (SL.4.5; NGA & CCSSO, 2010a, p. 24)

While this standard may have some measure of endurance and leverage, it contains fewer readiness skills than the first standard. When asked to use their judgment, many teachers indicate that SL.4.5 should be a subordinate standard that is connected to and

Priority or Supporting Standards – Work collaboratively to make decisions about each standard below.

P = Priority **S** = Supporting Determine a theme of a story, drama, or poem from details in the text Demonstrate command of the conventions of standard English capitalization, punctuation, and spelling when writing Measure areas by counting unit squares Fluently add and subtract multi-digit whole numbers using the standard algorithm Ask questions about data to determine the factors that affect the strength of electric and magnetic forces Use observations of the sun, moon, and stars to describe patterns that can be predicted Explain that currency must be converted to make purchases in other countries

Proficiency Scales

Score 4.0	In addition to exhibiting level 3 performance, in-depth inferences and applications that go BEYOND what was taught in class
Score 3.0	No major errors or omissions regarding any of the information and/or processes (SIMPLE OR COMPLEX) that were explicitly taught
Score 2.0	No major errors or omissions regarding the SIMPLER details and processes BUT major errors or omissions regarding the more complex ideas and processes
Score 1.0	With HELP, a partial knowledge of some of the simpler and complex details and processes
Score 0.0	Even with help, no understanding or skill demonstrated



Proficiency Scale "Look Fors"

Scales SHOULD be:

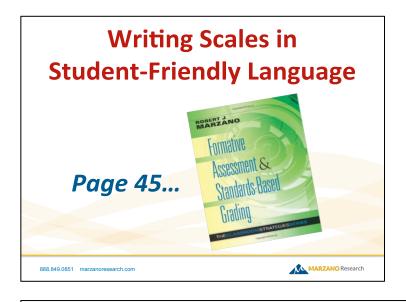
- ♦ Related to the learning goal
- ♦ Posted and able to be read by students
- Written in student-friendly language (when appropriate)
- ♦ Referenced during the lesson

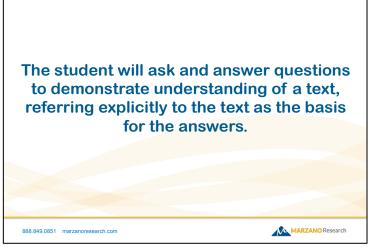
Students SHOULD be able to explain:

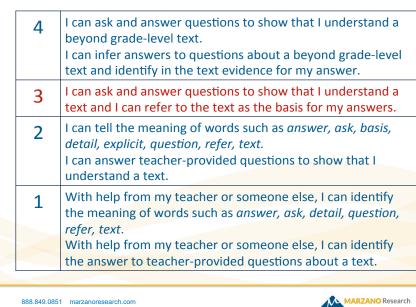
♦ The meaning of the levels of performance articulated in the scale

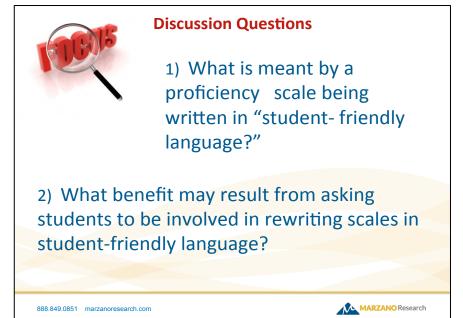
Telling Time Proficiency Scale

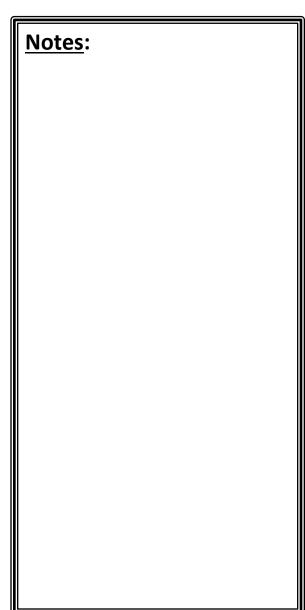
Score 4.0 – more complex
Demonstrations of learning that go above and beyond what was explicitly taught
The student will:
Score 3.0 – the learning goal or expectation
The student will:
Score 2.0 – the simpler stuff
Foundational knowledge, simpler procedures, isolated details, vocabulary
The student will:
The student will.
Score 1.0
With help, the student can perform Score 2.0 and 3.0 expectations
Score 0.0
Even with help, the student cannot perform expectations







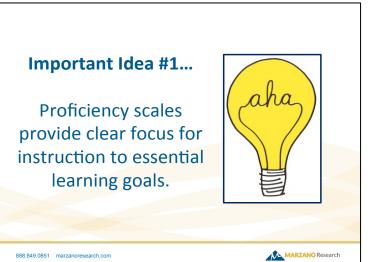




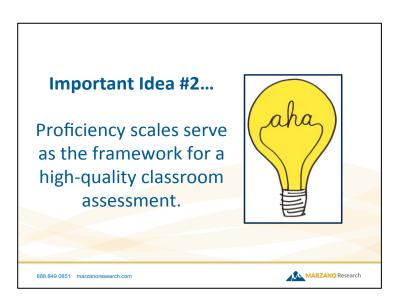


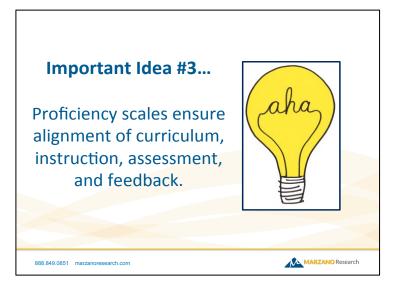
Proficiency Scale Review Checklist
Content Area
Grade Level and Standard(s)

	ı	ı	
Criteria	Yes	No	Comments
Specificity			
The language of each level on			
the scale is clear and specific.			
Progression			
Verbs are present and these			
verbs and corresponding			
context represent a			
progression of complexity.			
Comprehensiveness			
The proficiency scale is doable.			
It has enough depth, yet not so			
much to warrant an additional			
scale. Each level on the scale			
includes one to three related			
learner expectations.			
Measurability			
Each expectation is observable			
and quantifiable.			
Format			
Each expectation is written			
with the verb first to provide			
focus on what the student			
should know or be able to do.			
Vocabulary			
Key vocabulary has been			
identified at the score 2.0			
level.			
Alignment			
Aligned vertically with			
previous and/or subsequent			
grade levels/courses.			



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Example Items Learning Goal: *Reproduction and Heredity*

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			•

Match each vocabulary term with the answer that best describes it by writing the letter of the correct answer next to its corresponding vocabulary term. There are more answers than there are vocabulary terms, so you won't find a term for every answer.

ne process that results in an offspring that is an exact copy of the one parent ne product of the reproductive process of an animal or plant	heredity
ne process of passing instructions for specifying traits from one generation to another	offspring
ne process that involves a male and female parent	
ne product of asexual reproduction	sexual reproduction
ne element of a cell that carries a single unit of information	
ne product of a cell dividing	
ne element of a cell that allows the cell to split	asexual reproduction
ne contribution of the male in the reproductive process	
ne part of the cell that houses the chromosomes	gene
ne type of reproduction used by all animals and all forms of bacteria	
ווווווווווווווווווווווווווווווווווווווו	ne product of the reproductive process of an animal or plant the process of passing instructions for specifying traits from one generation to another the process that involves a male and female parent the product of asexual reproduction the element of a cell that carries a single unit of information the product of a cell dividing the element of a cell that allows the cell to split the contribution of the male in the reproductive process the part of the cell that houses the chromosomes

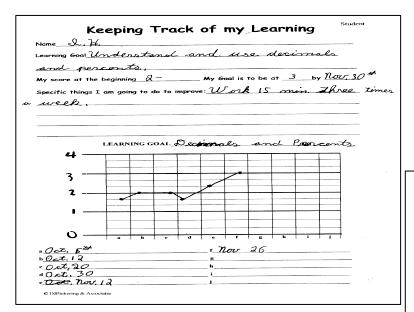
Score 3.0

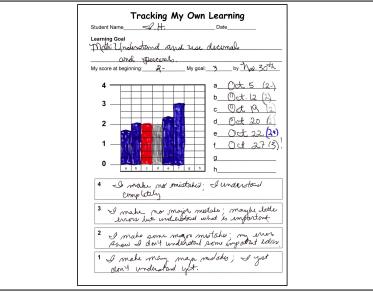
Which of the following *best* explains what would happen to a field of flowering plants if most of the insects and birds that visited the field suddenly died out and no other insects or birds replaced them? When you have selected your answer, explain what is incorrect about each of the answers you did not select.

- (a) The plants would all dies out because the birds and insects leave fertilizer that makes the plants grow.
- (b) The plants wouldn't be affected too much because they can live without birds and insects.
- (c) The plants would all die because insects and birds help the plants reproduce sexually.
- (d) The plants would all die because the insects and birds help the plants reproduce asexually.
- (e) Some but not all of the plants would die because the insects and birds help the plants reproduce sexually.
- (f) Some but not all of the plants would die because the insects and birds help the plans reproduce asexually.

Score 4.0

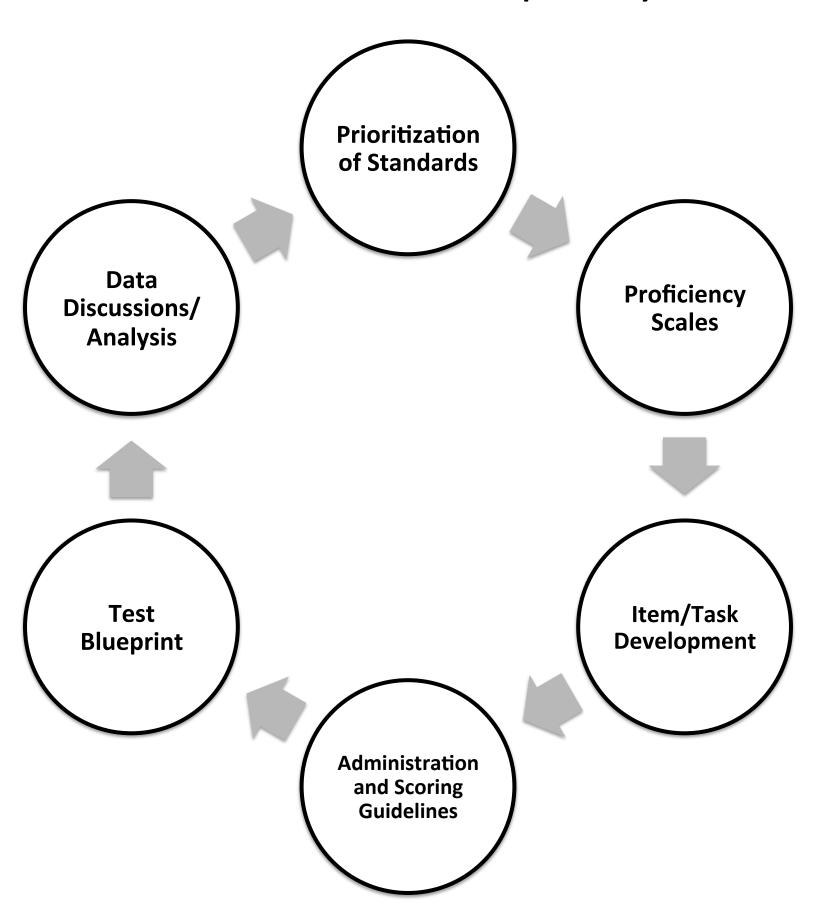
Explain the differences between inherited traits and those that are caused by environment. Then list some traits you have that are inherited and some that are caused by environment. Finally, explain why you think your behavior is affected more by your inherited traits or your environmental traits.





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Common Assessment Development Cycle



The Case for Common Formative Assessments

By Rick and Becky DuFour and Robert Eaker

We received a question from a principal of a high-performing middle school who wrote: "Although we have made significant growth in many of the core components of a professional learning community we continue to struggle with the perception of teacher autonomy as a result of attempting to create common assessments. A number of teachers continue to believe that common assessments restricts their ability to differentiate instruction from their colleagues.... our staff still remains hesitant to fully engage in meaningful collaboration which would result in creating common assessments and sharing instructional practices.

We have offered our own arguments as to why assessments created by a team of teachers are superior to the formal assessments developed by a teacher working in isolation.

1. Team-developed common assessments are more efficient.

If five teachers teaching the same course or grade level are responsible for ensuring all students acquire the same knowledge and skills, it make sense those teachers would work together to determine the best methods to assess student learning. A team of teachers could divide responsibilities for creating a unit and developing assessments. Teachers working in isolation replicate and duplicate effort. They work hard, but they do not work smart.

2. Team-developed common assessments are more equitable.

The use of common assessments increases the likelihood that students will have access to the same curriculum, acquire the same essential knowledge and skills, take assessments of the same rigor, and have their work judged according to the same criteria. We have witnessed repeated examples of teachers who were *emphatic* about the need for consistency, equity, and fairness in terms of how they were dealt with as adults, being completely unconcerned about the inconsistency, inequity, and lack of fairness that characterized the assessment of student learning in their school. If every teacher has license to assess whatever and however he or she determines, according to criteria unique to and often known only by that teacher, schools will never be institutions that truly model a commitment to equity.

3. Team-developed common formative assessments are more effective in monitoring and improving student learning.

We have cited several researchers who have concluded that team-developed common formative assessments are one of the most powerful strategies available to educators for improving student achievement. We know of no research concluding the formal assessments created by individual teachers working in isolation advance student learning.

4. Team-developed common formative assessments can *inform and improve* the practice of both individual teachers and teams of teachers.

Teachers do not suffer from a lack of data. Virtually every time a teacher gives an assessment of any kind, the teacher is able to generate data – mean, mode, median, standard deviation, percentage failing, percentage passing, and so on. As Robert Waterman (1987) advised, however, data alone do not inform practice. Data cannot help educators identify the strengths and weaknesses of their strategies. Data inform only when they are presented in context, which almost always requires a basis of comparison.

Most educators can teach an entire career and not know if they teach a particular concept more or less effectively than the teacher next door because the assessments they generate for their isolated classrooms never provide them with a basis of comparison. Most educators can assess their students year after year, get consistently low results in a particular area, and not be certain if those results reflect his or her teaching strategies, a weakness in the curriculum, a failure on the part of teachers in earlier grades to ensure students develop a prerequisite skill, or any other cause. In short, most educators operate within the confines of data, which means they operate in the dark. But in a PLC, collaborative teams create a series of *common* assessments, and therefore every teacher receives ongoing feedback regarding the proficiency of his or her students, in achieving a standard the team has agreed is essential, on an assessment the team has agreed represents a valid way to assesses what members intend for all students to learn, *in comparison to other students attempting to achieve the same standard*. That basis of comparison transforms data into information.

Furthermore, as Richard Elmore (2006) wrote, "teachers have to feel that there is some compelling reason for them to practice differently, with the best direct evidence being that students learn better" (p. 38). When teachers are presented with clear evidence their students are not becoming proficient in skills they agreed were essential, as measured on an assessment they helped to create, and that similar students taught by their colleagues have demonstrated proficiency on the same assessment, they are open to exploring new practices. When the performance of their students consistently prevents their team from achieving its goals, they are typically willing to address the problem. In fact, we consider team-developed common formative assessments one of the most powerful motivators for stimulating teachers to consider changes in their practice.

5. Team-developed common formative assessments can build the capacity of the team to achieve at higher levels.

As Wiliam and Thompson (2007) found, the conversations surrounding the creation of common formative assessments are a powerful tool for professional development. When schools ensure every teacher has been engaged in a process to clarify what students are to learn and how their learning will be assessed, they promote the clarity essential to effective teaching. When teachers have access to each other's ideas, methods, and materials they can expand their repertoire of skills. When a team discovers the current curriculum and their existing instructional strategies are ineffective in helping students acquire essential skills, its members are able to pursue the most powerful professional

development because it is specific, job-embedded and relevant to the context of their content, their strategies, their team, and their students.

6. Team-developed common formative assessments are essential to systematic interventions when students do not learn.

We argue that if educators were truly committed to high levels of learning for all students, they would not leave the question, "what happens when some students do learn" to chance. They would, instead, work together to create systems of intervention to ensure any student who struggles receives additional time and support for learning in a timely and directive way. Team-developed common formative assessments are a critical element of that system of intervention.

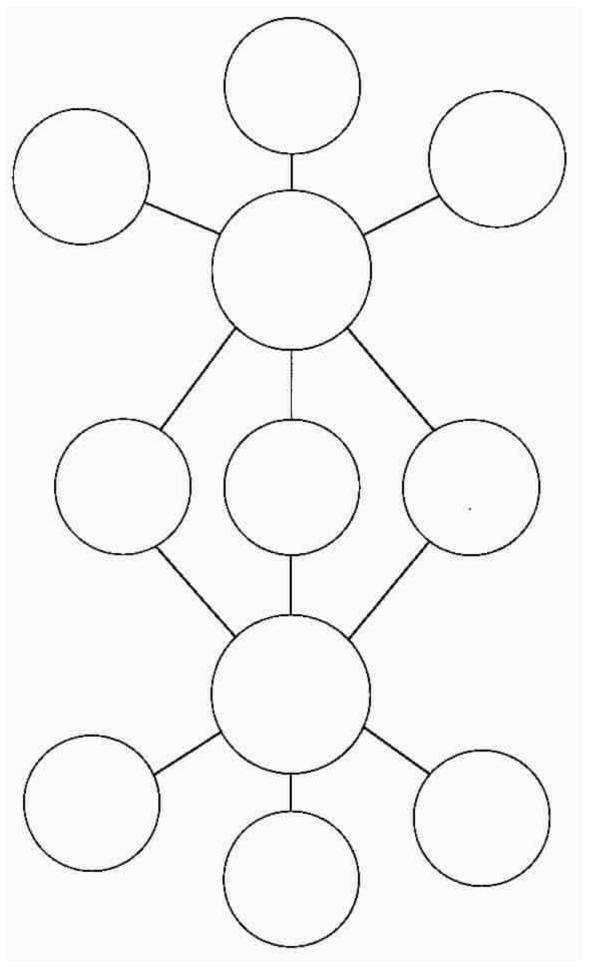
Not every assessment should be a common assessment. There is still a place for individual teachers to create their own formal assessments. Team-developed common assessments will never eliminate the need for individual teachers to monitor student learning each day through a wide variety of strategies that check for understanding. But if schools are ever to take full advantage of the power of assessment to impact student learning in a positive way, they must include common formative assessments in their arsenal. Professional learning communities will make team-developed common formative assessments a cornerstone of their work.

Example School District										
Common Assessment Results										
District Results										
Learning Goal	Percent Proficient									
#1:	72%									
#2:	82%									
#3:	60%									
Building Results										
Applewood	Percent Proficient									
#1:	70%									
#2:	85%									
#3:	50%									
Gateway	Percent Proficient									
#1:	60%									
#2:	55%									
#3:	40%									
Liberty	Percent Proficient									
#1:	85%									
#2:	90%									
#3:	70%									
Reedy Creek	Percent Proficient									
#1:	76%									
#2:	70%									
#3:	65%									

Applewood Elementary School Common Assessment Results								
District Results								
Learning Goal	Percent Proficient							
#1:	72%							
#2:	82%							
#3:	60%							
Classroc	om Results							
Teacher A	Percent Proficient							
#1:	70%							
#2:	90%							
#3:	60%							
Teacher B	Percent Proficient							
#1:	75%							
#2:	88%							
#3:	52%							
Teacher C	Percent Proficient							
#1:	65%							
#2:	85%							
#3:	50%							
Teacher D	Percent Proficient							
#1:	72%							
#2:	75%							
#3:	45%							

			Apple	wood Ele	mentary	School			
Common Assessment Results – Teacher A									
	Item 1	Item 2	Item 3	Item 4	Item 5	Item 6	Item 7	Item 8	Item 9
Student 1	Υ	Υ	N	Υ	Υ	N	N	N	N
Student 2	Υ	Υ	Υ	Υ	Υ	Υ	Υ	N	Υ
Student 3	Υ	Υ	Υ	Υ	N	Υ	Υ	N	Υ
Student 4	N	N	N	N	Υ	Υ	N	N	N
Student 5	N	Υ	Υ	Υ	N	Y	Υ	Y	Y
Student 6	Y	N	Υ	Υ	Y	Y	N	Y	N
Student 7	Υ	Υ	N	Υ	Υ	N	Υ	N	Υ
Student 8	N	Υ	Υ	N	Υ	Υ	Υ	Υ	Υ
Student 9	Y	N	N	Υ	Y	Y	Υ	N	N
Student 10	N	Υ	Υ	Υ	N	Y	Υ	Y	Y
Student 11	Y	N	Υ	Υ	Y	Y	Υ	N	Y
Student 12	Υ	Υ	Υ	Υ	Υ	Υ	N	Υ	N
Student 13	N	Υ	Υ	N	Υ	Υ	Υ	Υ	N
Student 14	Y	Υ	Υ	Υ	Y	Y	Υ	N	Y
Student 15	N	N	N	Υ	Υ	Υ	Υ	N	Υ
Student 16	N	Υ	Υ	Υ	N	Υ	N	N	N
Student 17	Υ	Υ	Υ	Υ	N	Υ	Υ	N	Y
Student 18	N	N	Υ	Υ	Υ	Υ	Υ	N	N
Student 19	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ	Υ
Student 20	Υ	Υ	Υ	Υ	Y	Y	Υ	Y	N
Student 21	N	Y	Y	Υ	Y	Y	N	N	N
PERCENT CORRECT	57%	71%	76%	85%	76%	90%	71%	38%	52%

Proficiency Scales vs. Rubrics





Quality Criteria for Classroom Assessments

1. Assessments are valid.

The assessment measures what is intended to be measured. It produces accurate and truthful results.

2. Scoring is consistent or reliable.

The assessment produces believable results that mirror the learning that has occurred. Consistent results are gleaned across multiple users of the tool.

3. Assessments and surrounding processes are fair.

- -The level of the assessment is appropriate.
- -Students have received adequate opportunity to learn.
- -The assessment is free from bias and the format does not interfere with students engaging in the assessment.



Assessment Review Checklist

Content Area	
--------------	--

Grade Level/Course and Standard(s) ______

Assessment Review Checklist				
Review Criteria	Yes	No	Item #s Needing Revision	Comments
The assessment measures the knowledge and skills described in the standard.				
The assessment is free from bias.				
The assessment is written at the developmentally appropriate level and correct readability level.				
Assessment items follow guidelines and are clearly written.				
The Answer Key is accurate and matches the assessment.				
EVERY item has an answer. "Answers may vary" is typically not acceptable.				
A rubric or checklist is provided, if needed.				
Directions are present, and are clear and concise.				
The "Materials Needed" list is accurate and complete.				

Three Rules Help Manage Assessment Data

"It was the best of times, it was the worst of times, it was the age of wisdom, it was the age of foolishness..."

-Charles Dickens, A Tale of Two Cities

We live in the Information Age, when never before has so much data on student learning been so readily available. It is the best of times...

And yet, to harried principals struggling to make sense of the mountains of assessment data, the Information Age may feel like the worst of times...

Mining those data mountains for information that teachers can use to improve student learning is a daily challenge for principals. The problem is not a lack of data, but rather managing all the data in a way that is meaningful to teachers. I am not aware of any guidelines about how to process all the information that is, how to decide exactly what information is needed or *who* needs the information to make decisions; however, I did encounter "rules" for using data during a conversation with Damon Lopez, former principal of Los Penasquitos Elementary School in San Diego.

Lopez believes that in order for teachers to maximize the impact of data gleaned from assessments, principals should honor three rules and ensure that data is 1) easily accessible, 2) purposefully arranged, and 3) publicly discussed. In those schools where "making meaning" of assessment data is a powerful experience, principals take responsibility for creating the necessary structures associated

with the first two rules and insist that teachers commit to the last. Rather than working individually to make meaning of assessment data, the most successful principals have discovered it is far more productive to create the conditions under which *teams of teachers* can make meaning of the data.

Easy Access

For data to add value to our efforts to improve student learning, teachers' access to the data must be timely. In addition to figuring out *who* needs to know *what* and *when*, the key question for principals to ask is, "What is the most efficient way to get assessment data back to teachers?"

As Kim Marshall, publisher of the highly regarded *Marshall Memo*, suggests, "When turnaround time after interim assessments is long, the results are stale and outdated by the time teachers sit down and discuss them." Data loses its impact whenever it takes more than 48 hours to return the results of a common assessment to teachers.

Outdated information makes it more difficult for teachers to be effective in adjusting instruction, identifying students who need more time and support or coordinating remedial or

enrichment programs among teachers on the team. To improve the accessibility of data, principals need to shorten the turnaround time for reporting data. ▶ page 9

During the course of a career spanning more than 30 years, Dr. Tom W. Many has served as a classroom teacher, principal and superintendent—all at the elementary level. With a passion for promoting the development of high performing schools, his district was recently recognized as one of the highest achieving lowest spending elementary school districts in Illinois.





► Manage Assessment Data continued from page 7

Purposeful Arrangement

The second rule for maximizing the impact of data calls for assessment data to be purposefully arranged, that is,

for the assessment data delivered to teacher teams to be presented in a format that is complete, accurate, and straight-forward.

Data should be organized in simple—not simplistic—ways. There are many software packages that quickly, almost instantaneously, provide assessment results in tables, charts, or graphs and make it easy for teachers to digest the results of interim assessments. Author D. M. Griffith observed, "If the message the information is trying to communicate fails to get through to the reader, [the information] is useless. It's better to be simple and understood than complex and ignored." What *is* important is that the data is returned to teachers in a format conducive to further discussion.

From time to time, teachers may create their own tables or graphs or request additional formats for organizing assessment results, but the initial data should be received in an arrangement that allows teachers to focus on the results—not the presentation format.

Public Discussion

While principals can address the logistics of making data easily accessible and arranging it purposefully, teacher teams are uniquely equipped to meaningfully engage in the public discussion of assessment data. Indeed, teachers and principals need to embrace the critical importance of publicly discussing the results

of assessments. Each time they discuss an assessment together, teachers benefit from the collective wisdom of their team. Not only do they gain deeper insight into how their students are learning, but also reviewing results as a team has the added benefits of allowing teachers to deepen their content knowledge and to sharpen their pedagogy.

To paraphrase Griffith, assessment data and information on student achievement are relevant, and therefore needed, only if they are used to make a decision. In fact, nothing justifies the giving of an interim assessment—and with it the associated loss of instructional time—unless teachers discuss the results of the assessment and adjust their instruction accordingly.

The Age of Wisdom or Foolishness?

To be sure, the ready availability and discerning management of assessment data can go a long way in contributing to making this the Age of Wisdom for educators seeking to improve students' learning. Principals who are successful focus their energies on ensuring that the data is 1) easily accessible and 2) purposefully arranged and insist that teachers spend their time 3) publicly discussing the results to ensure that all students learn. ■

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Webb's Depth of Knowledge Framework Level Definitions

DOK Level 1: Recall and Reproduction DOK Level 3: Strategic Thinking

Basic recall of concepts, definitions, facts, and processes

Answering a Level
1 question can
involve following a
simple, wellknown procedure
or formula

g a Level
ion can
llowing a abilities or recall
one right answer

Requires deep understanding as exhibited through planning or sequencing of

Requires some decision making answer and justification abstract,

Assessment items have more than one possible answer and are abstract, complex, or non-routine

DOK Level 2: Basic Application of Skills and Concepts

Includes the engagement of some mental processing beyond recalling or reproducing a response

students to make some decisions as to how to approach the question or the information

These actions imply
more than one
mental or cognitive
process/step, but
there is still one right answer

Requires high cognitive demand cognitive demand investigation or application that research, think or disciplines to connection process multiple

DOK Level 4: Extended Thinking

Non-routine manipulations or connections across disciplines/content areas/multiple

conditions of the

problem

DEPTH OF KNOWLEDGE EXAMPLES DOK 1 Locate or recall facts found in text. Apply a well-known formula. 0 Orally read words in connected text with fluency and accuracy. State an opinion without support. 0 Name the notes of the C Major scale. Represent math relationships in words, pictures, or symbols. 0 Perform a simple science process or a set of procedures. **DOK 2** Identify and summarize the major events, problem, solution, conflicts in literary text. Explain the cause-effect of historical events. 0 Retrieve information from a table, graph, or figure and use it to solve a problem requiring multiple steps. Develop a brief text that may be limited to one paragraph. Make a puzzle or game about the topic. Create a questionnaire or survey to answer a question. Write a diary/blog entry for a character or historical figure. Compare consumer actions and analyze how these actions impact the **DOK 3** environment. Analyze or evaluate the effectiveness of literary elements. Solve a multi-step problem and provide support with a mathematical explanation that justifies the answer. Write a letter to the editor after evaluating a product. Use reasoning and evidence to generate criteria for making and supporting an argument of judgment. Prepare a speech to support your perspective about global climate change. Make a booklet or brochure about a topic or an organization. 0 Gather, analyze, organize, and synthesize information from multiple sources to **DOK 4** draft a reasoned report. Analyze and explain multiple perspectives or issues with or across time periods, events, or cultures. Conduct a project that specifies a problem, identify solution paths, solve the problem, and report the results. Write and produce an original play. Critique the historical impact of policy, writings, and discoveries. Illustrate how multiple themes (historical, geographic, social) may be interrelated. Relate mathematical or scientific concepts to other content areas, other domains, or other concepts.

Writing Quality Assessment Items

Selected Response Items

- True/False
- Matching
- Multiple Choice

True/False

- o Related to a single idea
- o Absolutely true OR absolutely false
- Avoid using qualifiers, opinions, and negatives
- Use sparingly, as students have a 50-50 chance of guessing the correct answer

Matching

- o Homogeneous in content
- Keep the matching set short
- Uneven number of items to be matched OR items may be used more than once
- Longer reading on the left, matching items on the right

Multiple-choice

- o Problem clear in the item stem
- Stem stated in the positive when possible
- o Emphasize qualifiers in the stem
- All answer choices plausible
- Answer choices parallel in grammar and length
- Avoid "all" or "none of the above"
- Answer choices in a logical order
- Avoid clues in answer choices
- One correct response possible

Constructed Response Items

- o Fill-in-the-blank
- Short Answer
- Essay

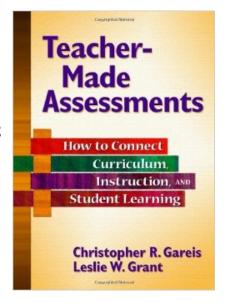
Fill-in-the blank

- Position the blank at the end of the sentence, if possible
- Limit the number of blanks in an item
- o Blanks should be same length
- Be sure information prior to/surrounding the blank is adequate
- May use a word bank

Short Answer and Essay Items

- Make the nature of the response desired clear to the reader
- Develop and communicate scoring criteria for the question
- Provide adequate space for responses.

RESOURCE:



	Unobtrusive Assessment
	Quick Checks for Understanding
3-2-1 Strategy	Students complete a 3-2-1 sheet before exiting the room. 3 things I've learned, 2 connections I made, 1 thing I still wonder or a question I still have.
3 Minute Pause	The 3-minute pause provides a chance for students to stop, reflect on the concepts and ideas that have just been introduced, make connections to prior knowledge or experience, and seek clarification. O I changed my attitude about O I became more aware of O I was surprised by O I felt O I related to O I empathized withby
ABC Summaries	Each student in class is assigned a different letter of the alphabet and they must select a word starting with that letter that is related to the topic being studied.
All Writes	Pose a question to a group or class of students and pause for 30-60 seconds. Ask students to write an answer to the question. Students may use scrap paper; wipe off boards, or thinking cards. Students can share responses with each other or as a whole group by showing responses.
Analogy Prompt	Present students with an analogy prompt: (A certain concept, principle, or process) is likebecause
Ballot Box Voting	Students are given a sheet of paper on which they answer (vote) their question(s). They then place their responses in the "ballot box" on the way out the door. Variation: Students have small "ballot box" square on their desk and when a question is asked, they place a response (either from a selection of possible answers (i.e., A, B, C, D) into the ballot box as their "vote".
Check by Chimes	Use a recording (recorded chimes or beeps) at random intervals during a lesson. Have students respond to a question/prompt and record their answer. Collect the responses at the end of the lesson.
Chips In	Students are given a pre-determined number of chips. When a student wants to participate, he/she puts in a chip (in a container/on table). When the student is out of chips, he/she is out of turns (unless the teacher gives a chip back). The strategy is meant to encourage equal participation among learners.
Choral Response	In response to a cue, all students respond verbally at the same time. The response can be either to answer a question or to repeat something the teacher has said.
Clothesline Sequencing (Tilton, Inclusion, pg. 126)	For review that involves students understanding sequence, this activity can work great. String a clothesline in the classroom and have events written on laminated papers. Students "string" the events in chronological order. This activity can also be used while reading an in-class novel. As important events occur, students write them down and clip them on the clothesline. By the time they finish the book, all major events are listed in order!
Cognitive Self-Management	At the end of a lesson, students respond to the following questions in a daily journal log: -Was this a productive lesson for me? -What did I learn? -What did I do to help myself learn? -What interfered with my learning?

	-What will I do differently next time to help me learn better?
Cue Card Review	Students are given a 3x5 card with check for knowledge questions. They may respond
cae cara neview	to questions individually or as a group.
Debriefing	This form of reflection is intended to be used immediately following an activity.
Dueling Charts	1. Select a topic students have been studying (i.e., The Constitution)
2 9	2. Write the topic across two charts.
	3. Divide students into two teams.
	4. Each team lines up behind a chart.
	5. On signal, a student from each team goes to the chart and writes a phrase
	pertaining to the topic. The phrase must start with the 1st letter of the word (i.e.,
	"C" (for constitution Chosen representatives or Citizen's rights are outlined).
	Then, the next letter is "o" and then "n," etc.
	6. After the first student finishes, the next student comes to the chart, etc.
	7. When both teams are done the charts are compared and shared.
Evidence Bag	Students are given small evidence bag graphics. Their ticket out the door is to list at
	least two important ideas they have learned from the lesson and specific EVIDENCE
	regarding this learning.
Exit Card	Exit cards are written responses to questions posed at the end of a class or learning
	activity or at the end of a day.
Find Someone Who	Students circulate to find others who can contribute to answers on their worksheet.
(Kagan)	They give answers and receive answers for purposes of review and showing gaps in
	their learning.
Gallery Walk	Students rotate around the room stopping at posted posed questions, or pieces of
	learning, quotes, concepts, etc. As they stop at each center, students have discussions
	with each other, write responses on poster board or sticky notes or they pose
	questions that they have as a result of viewing the gallery walk material.
Get The Picture	Students quickly draw pictures that show what they know. They then explain their
	drawings to a partner.
Give One, Get One	Students write their name on a piece of paper and list 3-5 ideas about the assigned
	topic. Students then interact with their classmates one at a time. Students exchange
	learning from each other and add to their list. Students can ask questions about new or confusing ideas.
Cive Vermoelf Fire	*
Give Yourself Five	At random intervals have students give themselves a predetermined number of points if they are engaged in the learning and can list important learning. Students can even
	record learning on a blank 5-finger graphic of their own hand. Students can share
	responses with a seat partner or whole group.
Graphic Organizers	Have students complete graphic organizers to show that they understand the material
Grapine Organizers	taught in class
Hand Signals	Ask students to display a designated hand signal to indicate their understanding of a
 	specific concept, principal, or process: I understand and can explain it
	(i.e., thumbs up). I do not yet understand (i.e., thumbs down). I'm not
	completely sure about (i.e. wave hand).
I Have, Who Has	Review questions and responses are handed out to students. The #1 card begins the
(Kagan)	review by reading their question (i.e., Who has the definition of literal language?).
(aga/	Then, the student who has the answer to this question responds, (i.e., I have what are
	words that mean exactly what you say?) and then reads the question also contained
	on their card (i.e., Who has the definition for figurative language?) and the review
	continues until all cards are used.
Idea Spinner	The teacher creates a spinner marked with four quadrants and labeled "Predict,
	Explain, Summarize, Evaluate." After new material is presented, the teacher spins the

	spinner and asks students to answer a question based on the location of the spinner.
Index Card	Distribute index cards and ask students to write on both sides with these instructions:
	(Side 1) Based on our study of (unit/topic), list a big idea that you understand and
Summaries and	word it as a summary statement. (Side 2) Identify something about (unit/topic) that
Questions	you do not yet fully understand and word it as a statement or question.
Inside/Outside Circle	Students in concentric circles rotate to face a partner to answer the teacher's
(Kagan)	questions or those of a partner (via cue cards).
Instruct, Insight,	Teacher provides instruction to the students for 5-7 minutes, then says: Take a
1	minute to think and record the key ideas or points you've heard so far or any question
Internalize	you have. Teacher then continues instruction to the next stopping point and repeats
	the above directions. When instruction is complete, students pair up and share their
	insights, key ideas, questions, and summaries of what they heard.
Jigsaw	Students read different passages from the same text or selection. After reading the
	passage, they take on the role of an expert for their specified piece of text. The
	"experts" then share the information from their reading with a specific rotating group
	or the entire class.
Journal Entries	Students may respond to check for knowledge questions in their journals before
(Double Journal	exiting the classroom. The teacher reviews the entry to see if the student has gained
Entries)	an understanding of the topic, lesson or concept that was taught.
K-W-L	Use a K-W-L chart as a preview activity. Prior to instruction, students complete the "K"
	and "W" columns. When instruction is complete, students complete the "L" column.
	Collect the organizers and checking for understanding.
Misconception Check	Present students with common or predictable misconceptions about a designated
-	concept, principle, or process. Ask them whether they agree or disagree and to
	explain why.
MNEMONICS	Create mnemonic devices to help students review materials (i.e., HOMES helps
	students remember the great lakes)
Numbered Heads	Each student is assigned a number. Members of a group work together to agree on an
Together (Kagan)	answer. The teacher randomly selects one number. The student with that number answers for the group.
Observation	Walk around the classroom and observe students as they work to check for learning.
Observation	Use anecdotal comments to record student performance.
One Minute Essay	Give students one minute to respond to a prompt or question. Have students read
one will att 233dy	their responses to a partner and then collect the responses at the end of the class
	period.
One Sentence	Students are asked to write a summary sentence that captures an important idea
Summary	related to the content covered.
One Word Summary	Select (or invent) one word that best summarizes a topic.
Oral Questioning	❖ How is similar to/different from?
Oral Questioning	What are the characteristics/parts of ?
	❖ In what other ways might we show/illustrate?
	❖ What is the big idea, key concept, or moral in?
	• How does relate to?
	• What ideas/details can you add to?
	Give an example of
	What is wrong with?
	What might you infer from?
	❖ What conclusions might be drawn from?

	What questions are we trying to answer?
	What problem are we trying to solve?
	❖ What might happen if
	What criteria would you use to judge/evaluate?
	What evidence supports?
	How might we prove/confirm?
	How might this be viewed from the perspective of?
	What approach/strategy could you use to?
Outcome Sentences	Use statement starters to elicit student responses at the end of the lesson:
	-Because of this lesson, I learned
	-I was surprised
	-I relearned
	-I am feeling positive about
	-I need clarification on
Pairs Check (Kagan)	Students work in pairs, each answering a question (or working out a problem) and
	receiving praise and coaching from their partner. Students can be labeled A and B so
	they may rotate in sharing their responses.
Peer Review	One student observes another student's performance, compares and contrasts
	performance against teacher's criteria/guidelines, and then communicates results
	through verbal, non-verbal, or written feedback.
Portfolio Check	Check the progress of a student's portfolio (or writing folder). A portfolio is a
	purposeful collection of significant work, carefully selected, dated, and presented to
	tell the story of a student's achievement or growth in well-defined areas of
	performance, such as reading, writing, math, etc. A portfolio usually includes personal
	reflections where the student explains why each piece was chosen and what it shows
Out als Marities	about his/her growing skills and abilities.
Quick Writes	Have students quickly write a response to activate background knowledge, clarify issues, facilitate making connections, and allow for reflection time. Students write for
	a short, specific amount of time, perhaps several minutes, about a designated topic or
	question.
Red Light Strategy	Students are given three laminated squares of paper (red, yellow, and green). As
Rea Light Strategy	review takes place, students hold up red if they don't know the answer, yellow if they
	are unsure, and green if they are certain of the answers.
Reflection	Students engage in the thoughtful examination of the learning process in order to
Kejicetion	plan, monitor, assess, and improve their own performance and their own
	thinking/learning.
Roundtable (Kagan)	Students in teams take turns asking questions and recording their responses.
Snowball Fight	Students take pieces of papers containing questions and crumple them into a snowball
Snowball right	shape. When the teacher says, "Snowball fight", students throw the "snowballs" and
	then pick up a new snowball (new question) somewhere in the room. Students
	respond to the question and then wait for the next snowball fight.
Soccer Ball Review	A soccer ball is numbered on each of its octagonal sections. When tossed in the
(Tilton, 224)	classroom, the student who catches it yells out the number that their right thumb
(1111011, 224)	lands on when they caught the ball. This is the # of the review question that is read to
	the student by the teacher (or another student). The student responds and then
	passes the ball to the next student who continues the review process.
Socratic Seminar	Students engage in a focused discussion in which they ask questions of each other on
	a selected topic; questions initiate the conversation, which continues with a series of
	responses and further questions. Students build the skill of formulating questions and
	addressing issues.

_	
Spectrum	Use a spectrum when asking for student opinion on a topic or question. Place a line on the chalkboard or masking tape on the floor. Label one end strongly agree and the other end strongly disagree. Students line up according to their opinion and then
	support their opinion (other labels: most/least important, greatest/least effective).
Sticky Note Review	Students complete a "sticky note" response before they can exit the room. All sticky notes are displayed together in an area where the teacher can assess student learning.
Student Conference	The teacher has one-on-one conversations with students to check their level of
Student conjerence	understanding.
Tally	Use a class roster to help monitor who you call on and how often. You may also have
1 4,	students chart (at their desks) the number of times they respond. This encourages
	those students who are less apt to respond to self-monitor their behavior.
The Envelope, Please	When students enter the room they are handed a sealed envelope containing
, ,	pertinent review questions for the end of the period. Before they can exit at the end
	of the period, they open the envelope and respond to the question contained within.
Think-Pair-Share	Students think individually about their response to a question, discuss answers in
(Kagan)	pairs, and then share their own or partner's answer with the rest of the class.
Thumbs Up or	Students respond to check for knowledge questions by responding with a "thumbs up"
Thumbs Down	if they know the answer and a "thumbs down" if they do not know or are unsure.
Ticket Out the Door	Students respond to check for knowledge questions via a piece of paper that they
	hand to the teacher before exiting the room
Timed Pair Share	Students share with a partner for a predetermined amount of time and then the
(Kagan)	partner shares with them for the same amount of time.
Tongue Depressor	Tongue depressors are marked "T" on one side and "F" on the other. Students use
Responses	these to indicate responses to teacher-provided statements.
Toss It (Tilton, 203)	Students play "basketball" while addressing review questions. Divide the class into two teams. The teacher acts as moderator. Questions can be given different point values. If a team answers a response correctly they get to "toss it" (ball, paper, etc.) for points.
Turn to Your Partner	Teacher gives directions to students. Students formulate individual response, and then turn to a partner to share their answers. The teacher calls on several random pairs to share their answers with the class.
Twelve Word	In twelve words or less, summarize the most important aspects of today's lesson.
Summary	
Wipe Off Boards	Students respond to check for knowledge questions, hide their responses and then
(Think, Hide, Show)	show them when asked.
ZAP!	On each table is a container (lunch bag, coffee can, box, etc.) to hold what the group
(Tilton, 209)	needs to review or reinforce. Craft sticks, tongue depressors, note cards, or strips of
(111311), 200,	paper are used for the questions or terms to be defined—also a card with ZAP is
	included. Each player takes a turn by drawing one item and responding to it. If they
	can respond they keep the card and gain a point. If they cannot answer the question,
	it goes back into the bag. If a student draws a ZAP card, they lose all points and return
	their cards to the bag.

Student-Generated Assessments

Student-generated assessments are probably the most underutilized form of classroom assessment. As the name implies, a defining feature of student-generated assessments is that students generate ideas about the manner in which they will demonstrate their current status on a given topic. To do so, they might use any of the types of obtrusive assessments discussed in the previous text. For example, one student might say that she will provide an oral answer to any of the twenty questions in the back of chapter 3 of the science textbook to demonstrate her knowledge of the topic of habits. Another student might propose that he design and explain a model of the cell membrane to demonstrate his knowledge of the topic. The following examples depict student-generated assessments that might be employed in various subject areas.

Language Arts: To demonstrate her understanding of a book read in class, a fifth-grade student proposes that she write a paper describing the events of the story and how one event caused another, leading to the story's ultimate resolution.

Mathematics: To demonstrate his understanding of geometric angles, a fourth-grade student proposes that he measure and draw acute, obtuse, and right angles as well as complementary and supplementary angles in the presence of the teacher.

Science: To show that she understands the solar system, an eighth grade student proposes she draw a diagram of the solar system and write a paper describing the major features of each different planet and its relationship to the other planets in the system.

Social Studies: To demonstrate his understanding of the causes of World War II, an eighth grade student proposes that he write a paper on how the war might have been avoided if the Treaty of Versailles had not been so punitive to Germany.

Physical Education: To show that she can do a forward and a backward roll, a kindergarten student offers to demonstrate both movements for the teacher.

Art: To show his skill at shading, a sixth-grade student offers to draw and shade an object in a house and bring the drawing to class.

Technology: To show that she understand how email works, a first grade student offers to send the teacher an email from the school computer lab and bring a printed copy of the teacher's reply to class.

October Choice Board (Algebra)

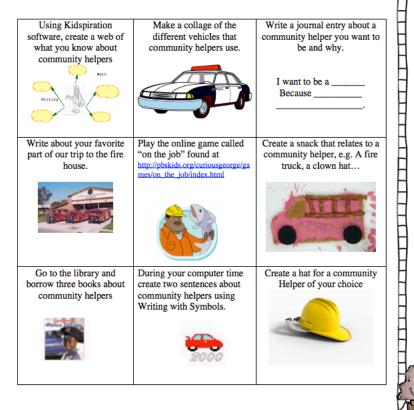
DUE: THURSDAY, OCTOBER 31



Directions: You must do 2 assignments from this page. Each is worth 50 points and together, add up to a test grade for the month. Answer them on a separate sheet of paper showing all work and attach the sheet to both assignments.

	assignments.	
Create a table showing the first ten digits of the following graphs: 1. $y = 3x - 2$ 2. $y = -5x + 8$ 3. $y = 2x + 3$ 4. $y = -6x - 9$ 5. $y = 7x$	Explain how to put the following in the calculator: X + 7 = 12 + 3x - 7x 1. Give directions 2. Explain why this works	Define: compound inequality inequality intersection union equation precision accuracy formula unit rate scale factor
Describe the difference between s, <, >, <, <. Show a one-step and two-step example of each. Also explain how to set up a number line (open and closed circle, where to shade etc.)	Find the 5 hardest problems in Chapter 1. Write them down Explain why someone might find the to be the hardest Solve/Attempt to solve	Create T-chart. Label the sides "Equations" and "Inequalities" 1. Give a definition of both 2. Find 2 examples of both (4 total) 3. How are the similar? 4. How are they different?
Write an equation and solve each of the following: 1.Alicia's brother is three years younger than twice her age. The sum of their ages is 24. How old is ALicia? 2.Mahya is saving to take an SAT prep course that costs \$350. So far, she has saved \$180, and she adds \$17 to her savings each week. How many more weeks must she save to be able to afford the course? 3.Kameryn types 75 words per minute and is just starting to write a term paper, loe already has \$10 words written and types at a speed of 60 words per minute. For what numbers of minutes will Kameryn have more words typed than loe?	Draw and label a graph that is: Horizontal Slanting upward Vertical Slanting downward Create a story for the following: Graph A Time	Tell us about Absolute Value: What is it? What is the difference between X + 3 = 10 & X + 3 = 10 Find the solutions.

Each student is responsible for completing three activities from the following choices. Your three activities must follow the rules of tic-tac-toe (i.e., three in a row).





Reading

Choose one box for each letter in "CHOICE"

C	During your first read of the story, write 3 or 4 questions you had about what you read.	Write a question you had while reading. Infer what you think the answer could be. Use text evidence to support your answer.	Write 3 questions a character in the story would ask . Start: would ask
H	Identify two words that were new to you in the story. Using text clues, what do you infer they mean?	How is the narrator's point of view different from your point of view?	Do you agree or disagree with the main character's point of view? Wky?
0	How do the illustrations help you understand the mood of the story better?	How do the illustrations help you understand the trats of the main character better?	How do the illustrations help you understand the setting better?
1	What is the lesson or moral of this story? What key details from the text let you know this?	How did your thinking about the topic in the story change as a result of reading this?	What were the sequence of events in the story?
C	Identify the feelings of the main character. How did his or her feelings contribute to what happened in the story?	identify the motivations of the main character. How did his or her motivations contribute to what happened in the story?	Identify the traits of the main character. How did his or her traits contribute to what happened in the story?
5	Draw your favorite part of the story.	Write the first three sentences of the sequel to this story.	If you were the author, what change would you make to the story?

Rocks and Minerals

Show what you know by completing three of the activities below. Just like in tic-tac-toe, you can complete three in a row, column, or diagonal. Just be sure to do your best work! When you are finished, staple your three completed activities behind the choice board.

a l'oc completed desivides per interest et loise peur d.				
Anchor Chart Use a large piece of chart paper to create an anchor chart that will teach your classmates about rocks and minerals. Be sure to include all key points.	Diagram of Rock Cycle Create a diagram of the rock cycle on a large piece of construction paper. Be sure to explain and show each portion of the rock cycle.	Flash Cards Use ten index cards to create flash cards that will help you remember key terms. Write the word on one side and the definition and picture on the back of the flash card.		
Write a Fiction Story Let's see how creative you can be. Write a one, or more, page Fictional narrative from the perspective of a rock moving through the rock cycle.	Write a Picture Book Create an Informational picture book about rocks and minerals. Your book should be at least five pages long with illustrations and text on every page.	Write an Opinion Essay Tels us what you think in a one, or more, page opinion essay, explain which mineral you think is the most important and explain why.		
Double Bubble Map Complete a Double Bubble Map that compares two different rocks or two different minerals.	Minerals Tree Map Complete the Minerals Tree Map. Be sure to think about the uses and characteristics of minerals.	Rocks Circle Map Complete the Rock Circle Map. Inside the circle, give examples of things made from rocks. Outside of the circle, give examples of things not made from rocks.		

Session Reflection Sheet

A	B	C	D	E	F
G	H	I	J	K	L
M	N	0	P	Q	R
S	T	U	V	W	X
Y	Z .				36

	ath A No F Strangton Ministration	
	4 Glade 4:NS:S Stialia: Naili	ופו ספווספ
	Topic: Compare Fractions	ns
Score	In addition to Score 3.0, in-depth inferences and applications that go beyond	Sample Tasks
4.0	what was taught.	 Given 3 or more fractions with different denominators,
		student orders them least to greatest or greatest to least
		 Create a real world problem using measurement (wood
		working, quilt making, baking) to compare fractions
		 Student compares improper and/or mixed fractions with unlike denominators
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial	
Score	The student:	Find common denominator showing work
3.0	4.NS.5 Compare two fractions with different numerators and different	 Compare fraction to a benchmark fraction such as %
	denominators (e.g., by creating common denominators or numerators,	 Complete equation comparing two fractions using the
	or by comparing to a benchmark, such as 0, $\%$, and 1). Recognize	appropriate symbol >, =, or <
	comparisons are valid only when the two fractions refer to the same	0 7/12 3/4
	whole. Record the results of comparisons with symbols <, =, or >, and	
	justify the conclusions (e.g., by using a visual fraction model).	
	 Compare two fractions with <u>unlike</u> denominators. 	
	The student exhibits no major errors or omissions.	
	2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.	
Score	There are no major errors or omissions regarding the simpler details and	• Compare two fractions with common denominators 7/12
2.0	processes as the student:	4/12
	 recognizes or recalls specific terminology, such as: 	 Use fraction strips to compare two fractions
	o numerator, denominator, factors, common multiple, fraction	-
	strips, whole, equal, unequal, common (like) denominators	
	 performs basic processes, such as: 	
	 Compare two fractions with <u>like</u> denominators. 	
	However, the student exhibits major errors or omissions regarding the more	
	complex ideas and processes.	
	1.5 Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0	
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of	
	the more complex ideas and processes.	
	0.5 With help, a partial understanding of the 2.0 content, but not the 3.0 content.	
Score 0.0	Even with help, no understanding or skill demonstrated.	

4.NS.5 – Compare two fractions with different numerators and different denominators.

Level 2 – Solve numbers 1-4. Write <, >, or = for each pair of fractions.

1.
$$\frac{3}{4}$$
 — $\frac{2}{4}$

3.
$$\frac{1}{4}$$
 — $\frac{2}{8}$

2.
$$\frac{6}{8}$$
 — $\frac{7}{8}$

4.
$$\frac{1}{6}$$
 — $\frac{1}{3}$

__/4

Level 3 – Solve numbers 5-8. Write <, >, or = for each pair of fractions. Justify your answer with work or pictures.

5.
$$\frac{3}{4}$$
 — $\frac{4}{5}$

7.
$$\frac{5}{6}$$
 — $\frac{7}{8}$

6.
$$\frac{1}{3}$$
 — $\frac{2}{7}$

8.
$$\frac{2}{3}$$
 — $\frac{4}{6}$

__/4

Level 4 – Solve numbers 9 -10. Solve the story problems below. Make sure to show all of your work to get full credit. Each problem is worth more than one point.

9. Sam made a quilt that had green squares $3\frac{4}{6}$ in wide. His quilt was 9 blocks long. Jenny made a quilt that had purple squares that measured $5\frac{2}{3}$ in wide. The quilt was 7 squares long. Dan made a quilt with rectangles that were $6\frac{2}{5}$ in wide. His quilt was 5 rectangles long. Put the three quilt maker's names in order from longest to shortest quilt.

10. Cindy feeds her cats Fluffy, Mittens, and Spots each day. Fluffy eats $2\frac{1}{2}$ cups of food each day. Mittens eats $2\frac{5}{6}$ cups of food each day. Spots eats $2\frac{1}{4}$ cups of food each day. Put the cats in order from least to greatest according to how much they eat each day.

__/ 4

	Ctrossol - Lossest	
	Topic: Summarizing and Identifying the Theme of a Story	Story (3.RL.2.2)
	Level: Grade 3	
Score	In addition to Score 3.0, in-depth inferences and applications that go beyond	Sample Tasks
4.0	what was taught.	 Given a grade-level fable, folktale, or myth students will write a summary that includes the theme with multiple details from the text.
	3.5 In addition to score 3.0 performance, in-depth inferences and applications with partial success.	
Score 3.0	The student will:Retell fables, folktales, and tall tales from diverse cultures; identify the themes in these works.	 Given a grade-level fable, folktale, or tall tale students will write a summary (sequentially) Identify the theme of the story
	The student exhibits no major errors or omissions.	 Example: A. Summarize the story. B. What is the theme of the story? Explain with 3 details.
	2.5 No major errors or omissions regarding 2.0 content and partial knowledge of the 3.0 content.	
Score 2.0	There are no major errors or omissions regarding the simpler details and processes as the student:	Given a grade-level fable, folktale, or tall
		amount for the text) and identify the
	 recognizes or recalls specific terminology, such as: fable, folktale, tall tale, theme, moral, author's message, 	theme with at least 1 detail.Example: Students retell by writing 4
	central message, lesson, sequence, summary, retell	events from the story in a list format
	 perioritis basic processes, such as. retell, identify the theme and details when given choices 	 Multiple choice questions will be provided for the theme and details
	However, the student exhibits major errors or omissions regarding the more	 Example: Which of these is the them of the text?
	complex ideas and processes.	 Example: Circle the details from the list below that support your choice.
	1.5 Partial knowledge of the 2.0 content, but major errors or omissions regarding the 3.0 content.	
Score 1.0	With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.	
0	0.5 With help, a partial understanding of the 2.0 content, but not the 3.0 content.	
score 0.0	Even with help, no understanding or skill demonstrated.	

3 rd G	B rd Grade - Common Assessment Name:		
3.RL.	2 Recount with Central Message	Score:	
<u>Level</u> Write	l 2 e the letter of the correct term for the definitions b	elow.	
1)	The life lesson taught in the story.	a. fable	
2)	A story that includes gods and goddesses th explains a practice, belief, or natural event.	at b. myth	
3)	A short story that teaches a lesson with characters that are animals who have a flaw or problem.	c. fairy tale	
	problem.	d. moral or author's message	
		e. tall tale	
Read	the story below on page 16 in your book. Then cho	oose the moral of the story.	
a.	Always take your time.		
b.	The grass is always greener on the other side.		
c.	Do not judge a book by its cover.		

Which detail supports the moral you chose?

- a. The lion caught the mouse and was about to eat him.
- b. It is possible for even a mouse to help out a lion.
- c. Hunters caught the lion and bound him with rope.

LEVEL 3

Read the story.

The Bat and the Weasel

A wobbly bat lost control of his wings and fell to the floor in a barn. A weasel pounced on the bat flapping helplessly on the ground.

"Please don't eat me," the bat squeaked.

"Look, I'm a weasel," the weasel said. "It's my weasel-like nature to eat birds, and you're one of them."

The clever bat said, "I'm not a bird, my incredibly good-looking fellow. I'm a mouse, as plain as anyone can see."

The bat looked like a mouse and the weasel set him free. The next day, the clumsy bat lost control of his wings again. Again he fell to the ground. A different weasel pounced on him. The bat was caught again.

"Please don't eat me," the bat said.

"I'm a weasel," the weasel said. "It's my weasel-like nature to eat mice, and you're one of them.

The smart bat said, "You got the wrong guy, buddy. I'm not a mouse. I'm a bat,"

With that, the confused weasel let the bat fly away.

Write a summary in the lines below.

irst	
	_•
Next	-
	-•
hen	-
	-•
ast	
	-
What is the moral of the story?	
what is the moral of the story:	

<u>/EL 4</u>	
ad the story.	
	On a farm, a pack of farm dogs chased
	a wolf away from the chickens they guarded.
	The dogs barked and snapped at the wolf's
	hind legs. The wolf tripped on a tree branch
	and twisted his leg, but he escaped in
	the end.
	Worn out, hurt, hungry, and thirsty,
	the wolf limped back to his den. He saw
	a sheep passing by the entrance of his den.
	"Hello, Sheep!" the clever wolf called.
	"I'm thirsty and I need your help!"
	"How can a simple sheep help an intelligent
	wolf?" the sheep asked.
	"If you bring me water from the river,"
	the wolf said, "I'll make sure you are
	never hungry for the rest of your life."

		GEOMETRY	
		Assa	
		Area	
		Grade 7	
Score 4.0	In addition tc inferences aı	In addition to score 3.0 performance, the student demonstrates in-depth inferences and applications that go beyond what was taught.	
	Score 3.5	In addition to score 3.0 performance, partial success at score 4.0 content	
Score 3.0	The student will:	will:	Sample Activities:
	• Determine th (7.2.5.b)	• Determine the area of trapezoids and circles, and the circumference of circles (7.2.5.b)	
	Score 2.5	No major errors or omissions regarding score 2.0 content, and partial success at score 3.0 content	
Score 2.0	The student	The student will recognize or recall specific vocabulary, such as:	Sample Activities:
	• area, calcula	 area, calculate, circumference, diameter, radius, scale drawing, trapezoid 	
	The student	The student will perform basic processes, such as:	
	• recognize or	 recognize or recall the formulas for the area and circumference of a circle 	
	 recognize or figures 	 recognize or recall the formulas for the area of two and three-dimensional figures 	
	• calculate are	• calculate area using scale drawings	
	Score 1.5	Partial success at score 2.0 content, and major errors or omissions regarding score 3.0 content	
Score 1.0	With help, pa	With help, partial success at score 2.0 content and score 3.0 content	
	Score 0.5	With help, partial success at score 2.0 content but not at score 3.0 content	
Score 0.0	Even with he	Even with help, no success	

Grade 7 Area Assessment

Standard 7.2.5.b - The student will determine the area of trapezoids and circles, and the circumference of circles.

Level 2

1) Write a definition for the term in the space on the right.

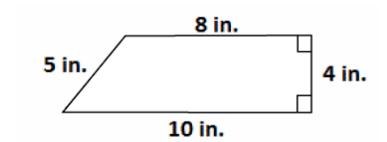
Term	Definition
diameter	
radius	
circumference	
trapezoid	
area	

- 2) What is the formula for calculating the area of a circle?
- 3) What is the formula for calculating the circumference of a circle?
- **4)** Helen has an 80:1 scale drawing of the floor plan of her house. On the floor plan, the dimensions of her rectangular living room are 167 inches by 219 inches. What is the area of her real living room in square feet?

Level 3

- 5) What is the area of a circle with a radius of 5 in terms of π ?
 - f a 5 $^\pi$ square units
 - **b** 10^{π} square units
 - \bigcirc 25 $^\pi$ square units
 - \bigcirc 50 $^\pi$ square units

- A trapezoid has parallel sides that measure 8 cm and 10 cm, non parallel sides that measure 6 cm and 7 cm and a perpendicular between the parallel sides that measures 5 cm. What is the area of the trapezoid?
 - (a) 45 cm²
 - **b** 54 cm²
 - © 85 cm²
 - **d** 90 cm²
- 7) Use the figure below to answer the question.



- 36 square inches
- (b) 40 square inches
- 45 square inches
- d 72 square inches

What is the area of this trapezoid?

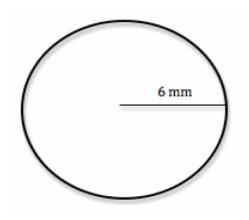
Use the picture below to answer the question.
a 18.84 mm²







d 452.16 mm²



Notes

Notes





Jan K. Hoegh, MA, is associate vice president of Marzano Research Laboratory. She has been a classroom teacher, building-level leader, professional development specialist, assistant high school principal, and curriculum coordinator during her 30 years in education. Prior to joining Marzano Research Laboratory, Jan was assistant director of statewide assessment for the Nebraska Department of Education, where her primary focus was Nebraska State Accountability test development. Ms. Hoegh has served on numerous statewide and national standards and assessment committees and has presented at national conferences.

As associate vice president of Marzano Research Lab, Jan works with districts across the country as they strive to improve student achievement. Her passion for education, combined with extensive knowledge of curriculum, instruction, and assessment, provides credible support for teachers, leaders, schools, and districts. A primary training focus for Ms. Hoegh is the transition to Common Core State Standards. She is an author of the recently published books entitled, *Using Common Core Standards To Enhance Classroom Instruction and Assessment* and *A School-Leader's Guide to Standards-Based Grading*. Jan holds a bachelor of arts in elementary education and a master of arts in educational administration, both from the University of Nebraska-Kearney. She also earned a specialization in assessment from the University of Nebraska-Lincoln.